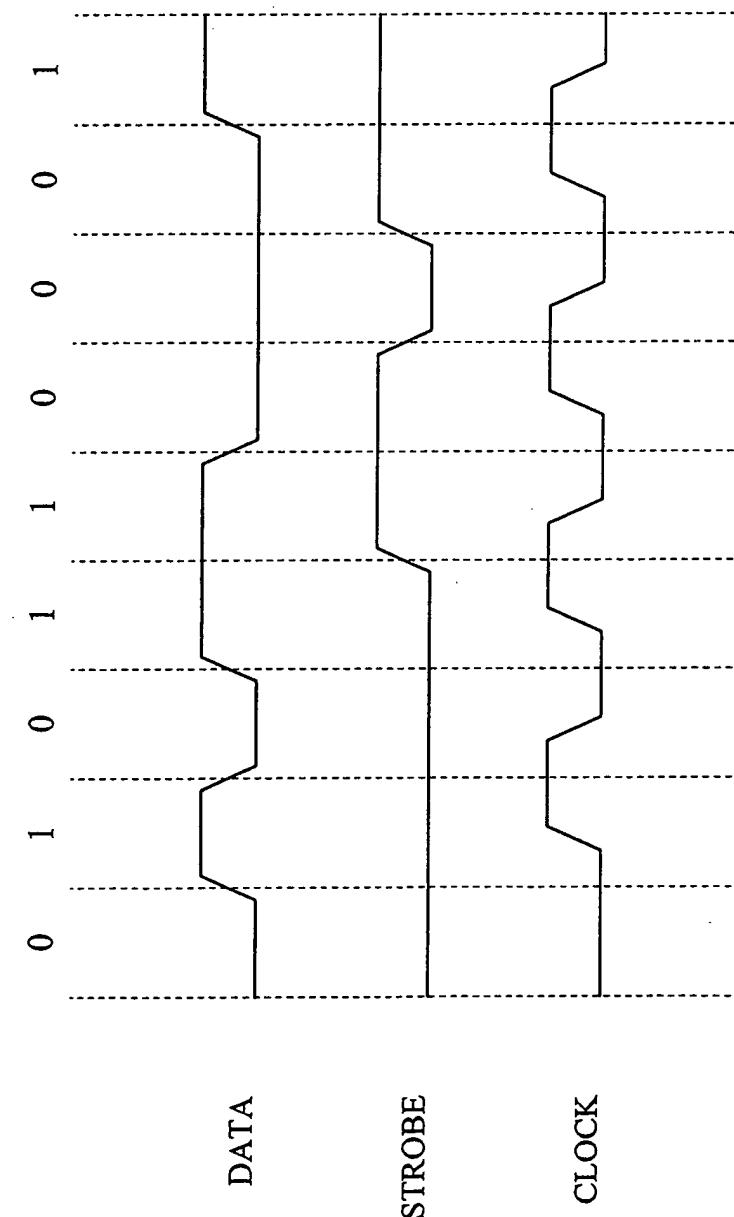




App No.: 10/761,272 Docket No.: 0951-0131P
Inventor: Fumihiko FUKAE
Title: TRANSCEIVER CIRCUIT, TRANSCEIVING METHOD,
AND TRANSCEIVER APPARATUS
REPLACEMENT SHEET

FIG.15



Conventional
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FIG.16

Transmit Arbitration Signal	Line State	Comment
ARB_A_Tx	ARB_B_Tx	
Z	Z	IDLE
Z	0	TX_REQUEST
Z	0	TX_GRANT
Z	1	TX_PARENT_NOTIFY
0	0	TX_DISABLE_NOTIFY
0	0	TX_SUSPEND
0	1	TX_DATA_PREFIX
1	Z	TX_CHILD_NOTIFY
1	Z	TX_IDENT_DONE
1	0	TX_DATA_END
1	1	BUS_RESET

Conventional
Art

FIG.17

Receive Arbitration Signal		Line State		Comment
ARB_A_Rx	ARB_B_Rx			
Z	Z	IDLE		PHY of neighboring connected node is nonoperational
Z	0	RX_PARENT_NOTIFY		PHY of neighboring connected node is attempting to become child
		RX_REQUEST_CANCEL		PHY of neighboring connected node has cancelled request
Z	1	RX_IDENT_DONE		PHY of child node has concluded self-ID phase
0	Z	RX_SELF_ID_GRANT		PHY of parent node has granted access to bus for purpose of self-ID
		RX_REQUEST		PHY of child node is requesting access to bus
0	0	RX_ROOT_CONTENTION		PHY of this node and of neighboring connected node are both attempting to become child nodes
		RX_GRANT		PHY of parent node has granted control of bus
		RX_SUSPEND		Neighboring connected node is attempting to suspend this node
0	1	RX_PARENT_HANDSHAKE		PHY of neighboring connected node is acknowledging PARENT_NOTIFY
		RX_DATA_END		PHY of neighboring connected node has terminated transmission of data block and is releasing bus
1	Z	RX_CHILD_HANDSHAKE		PHY of neighboring connected node is acknowledging TX_CHILD_NOTIFY
		RX_DISABLE_NOTIFY		PHY of neighboring connected node is attempting to disable this node
1	0	RX_DATA_PREFIX		PHY of neighboring connected node is attempting to transmit packet data or is attempting to transmit more data after terminating transmission of data block
1	1	BUS_RESET		Transmitted in order to reconfigure bus

Conventional
Art

FIG.18

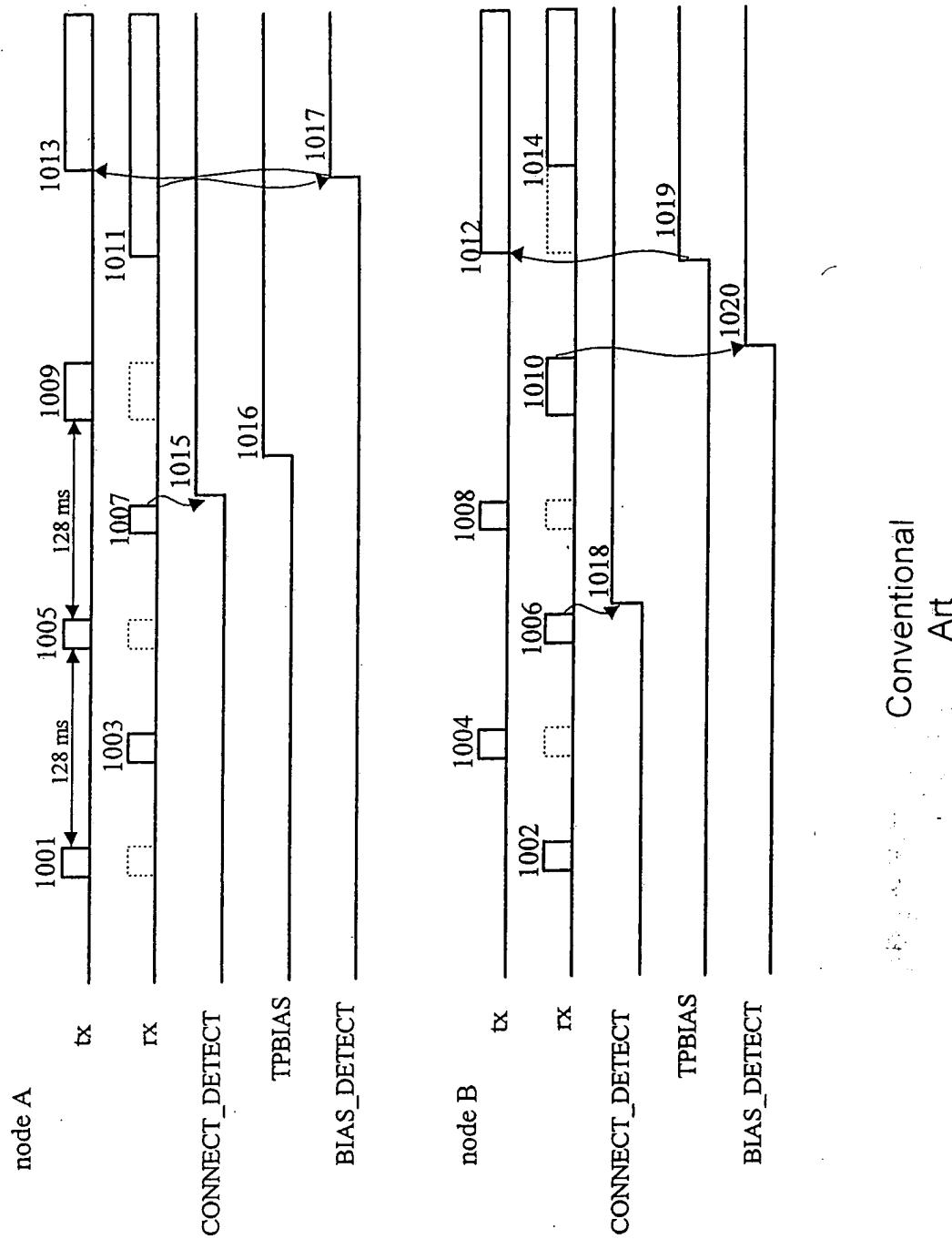


FIG. 19

